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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF:

ELISABETH CROCHON ET AL.

: GROUP ART UNIT:

SERIAL NO: NEW U.S. PCT APPLICATION
BASED ON PCT/FR00/03589

FILED: HEREWITH

: EXAMINER:

FOR: METHOD OF INFORMATION TRANSMISSION FROM AN INTERROGATOR
SYSTEM TO PORTABLE OBJECTS

PRELIMINARY AMENDMENT

Commissioner of Patents
Washington, DC 20231

SIR:

Prior to examination on the merits, please amend the above-identified application as follows:

IN THE CLAIMS

A clean copy of the claims incorporating any amendment is shown below:

13. (Amended) A method in accordance with claim 1, whereby the first pulse (I_1) is of negative polarity.

14. (Amended) A method in accordance with claim 1, whereby an amplitude modulation index is lower than 50%.

IN THE ABSTRACT

Please cancel the original Abstract on page 13 in its entirety and substitute therefor the new Abstract attached hereto as a separate sheet.

REMARKS

In view of the foregoing amendments, favorable consideration of this application is earnestly solicited.

Respectfully submitted,

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ABSTRACT

A method of information transmission from an interrogator system to portable objects is disclosed. The information is transmitted through ternary amplitude modulation and positional pulse coding. A frame is made up of a Start Of Frame (SOF) marker made up of two like-polarity pulses, patterns that transmit binary symbols and are composed of two opposite-polarity pulses, and lastly an End Of Frame (EOF) marker that is made up only of a single pulse. The present invention is notably intended for interrogating radio frequency (RFID) tags.

Marked-Up Copy

Serial No.: New Application
Amendment Filed on: 08/20/01

IN THE CLAIMS

13. (Amended) A method in accordance with [one of the above claims] claim 1,
whereby the first pulse (I_1) is of negative polarity.

14. (Amended) A method in accordance with [any one of the above claims] claim 1,
whereby [the] an amplitude modulation index is lower than 50%.